

What is claimed is:

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1. An image transmitting apparatus for transmitting image data to an image receiving apparatus to which an IP address is assigned from an outer section, the image transmitting apparatus comprising:

a memory for storing a physical address of the image receiving apparatus;

a processor adapted to obtain the IP address of the image receiving apparatus by use of the physical address stored in the memory; and

a transmitter for directly transmitting image data to the image receiving apparatus by use of the IP address.

2. The apparatus according to claim 1, wherein the memory store the physical address to be associated with a destination mail address.

3. The apparatus according to claim 2, further comprising:

an inputter for inputting the destination mail address; and

a searcher for searching the physical address corresponding to the destination mail address input by the inputter, wherein the processor obtains the IP address of the image receiving apparatus by use of the physical address searched by the searcher.

4. The apparatus according to claim 3, wherein the transmitter directly transmits image data to the image receiving apparatus by use of the IP address, and

indirectly transmits image data to the image receiving apparatus via a mail server.

5        5. The apparatus according to claim 4, further comprising a controller for detecting whether or not a specific mark is added to the destination mail address input by the inputter, for causing the transmitter to directly transmit image data to the image receiving apparatus by use of the IP address when the specific mark is added to the destination mail address, and for causing  
10       the transmitter to indirectly transmit image data to the image receiving apparatus via the mail server when no specific mark is added thereto.

15       6. The apparatus according to claim 4, further comprising a controller for determining whether image data is directly transmitted to the image receiving apparatus by the transmitter on the basis of the destination mail address or indirectly transmitted to the image receiving apparatus via the mail server.

20       7. The apparatus according to claim 4, further comprising:

        a table for storing the destination mail address and transmission type information to be associated with each other; and

25       a controller for determining whether image data is directly transmitted to the image receiving apparatus by the transmitter on the basis of the transmission type corresponding to the destination mail address or

indirectly transmitted to the image receiving apparatus via the mail server when there is the destination mail address input by the inputter in the table.

8. The apparatus according to claim 7, wherein the  
5 inputter includes a one-touch button, and the table is a one-touch button registering table for storing the number of the one-touch button, the destination mail address, and the transmission type to be associated with one another.

10 9. The apparatus according to claim 8, further comprising a register for registering the number of the one-touch button and the destination mail address in the one-touch button registering table so as to request an operator to specify the transmission type at the time of  
15 registration.

10. The apparatus according to claim 7, wherein the table is an abbreviated dial registering table for storing an abbreviated dial, the destination mail address, and the transmission type to be associated with one another.

20 11. The apparatus according to claim 10, further comprising a register for registering the abbreviated dial and the destination mail address in the abbreviated dial registering table so as to request an operator to specify the transmission type at the time of registration.

25 12. The apparatus according to claim 1, further comprising a register for receiving notification of the physical address of the image receiving apparatus, and

for registering the physical address included in the notification in the memory.

13. An image receiving apparatus, which is an image receiving apparatus to which an IP address is assigned  
5 from an outer section, comprising:

a first notifier for providing notification of a self-physical address to an image transmitting apparatus;

10 a second notifier for providing notification of the IP address assigned in accordance with a request from the image transmitting apparatus by use of the physical address; and

a receiver for directly receiving image data from the image receiving apparatus by use of the IP address.

15 14. An image transmitting method for transmitting image data to an image receiving apparatus to which an IP address is assigned from an outer section, the method comprising :

20 storing a physical address of the image receiving apparatus;

obtaining the IP address of the image receiving apparatus by use of the stored physical address; and

directly transmitting image data to the image receiving apparatus by use of the IP address.

25 15. The method according to claim 14, wherein the physical address is stored to be associated with a destination mail address in the step of storing the

physical address.

16. The method according to claim 15, further comprising :

inputting the destination mail address; and

5 searching the physical address corresponding to the input destination mail address, wherein the IP address of the image receiving apparatus is obtained by use of the searched physical address in the step of obtaining the IP address.

10 17. The method according to claim 16, further comprising the step of directly transmitting image data to the image receiving apparatus via a mail server.

15 18. The method according to claim 17, wherein it is detected whether or not a specific mark is added to the input destination mail address, image data is directly transmitted to the image receiving apparatus by use of the IP address when the specific mark is added to the destination mail address, and the image data is indirectly transmitted to the image receiving apparatus via the mail  
20 server when no specific mark is added thereto.

19. The method according to claim 17, further comprising the step of determining whether image data is directly transmitted to the image receiving apparatus on the basis of the destination mail address or indirectly  
25 transmitted to the image receiving apparatus via the mail server.

20. The method according to claim 17, further

comprising the step of, when there is the input destination mail address in a table for storing the destination mail address and transmission type information to be associated with each other, determining  
5 whether image data is directly transmitted to the image receiving apparatus on the basis of the transmission type corresponding to the destination mail address or indirectly transmitted to the image receiving apparatus via the mail server.

10 21. The method according to claim 20, wherein the table is a one-touch button registering table for storing the number of the one-touch button, the destination mail address and the transmission type to be associated with one another.

15 22. The method according to claim 21, further comprising the step of registering the number of the one-touch button and the destination mail address in the one-touch button registering table so as to request an operator to specify the transmission type at the time of  
20 registration.

23. The method according to claim 20, wherein the table is an abbreviated dial registering table for storing an abbreviated dial, the destination mail address, and the transmission type to be associated with one another.

25 24. The method according to claim 23, further comprising the step of registering the abbreviated dial and the destination mail address in the abbreviated dial

registering table so as to request an operator to specify the transmission type at the time of registration.

25. The method according to claim 14, further comprising the step of receiving notification of the physical address of the image receiving apparatus, wherein the physical address included in the notification is stored in the step of storing the physical address.

26. An image receiving method comprising :

providing notification of a physical address assigned from an outer section to an image transmitting apparatus;

providing notification of an IP address assigned in accordance with a request from the image transmitting apparatus by use of the physical address; and

directly receiving image data from the image receiving apparatus by use of the IP address.

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